



IFC 2634

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of: ) Group Art Unit: 2634  
Xia et al. ) Examiner: Sudhanshu C. Pathak  
 )  
Title: COMBINED TRELLIS DECODER AND )  
DECISION FEEDBACK EQUALIZER )  
 )  
Serial No.: 09/884,256 )  
 )  
Filed: June 19, 2001 ) Our Docket No. 31075-7

Springfield, Massachusetts

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicant(s) submits herewith Form PTO-1449 identifying patents, publications or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313.

Kim M. Hume  
Kim M. Hume  
3/1/06  
Date

Application Serial No.: 09/884,256

Docket No. 31075-7

Under 37 CFR 1.97 (b)

This Information Disclosure Statement is being filed within three months of the filing date of the application, or the date of entry into the national stage of an international application, or before the mailing date of a first Office Action on the merits, whichever event occurs last.

Under 37 CFR 1.97 (c)

This Information Disclosure Statement is being filed *after* three months of the filing date of this national application, or the date of entry into the national stage as set forth in §1.491 in an international application, or after the mailing date of the first Office Action on the merits, whichever event occurred last, but *before* the mailing date of either a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.

A certification as specified in 37 CFR 1.97(e) is set forth below, or  
 Fee as set forth in 37 CFR 1.17(p) (\$180.00).

Under 37 CFR 1.97(d)

This Information Disclosure Statement is being filed *after* a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first, but before, or simultaneously with, the payment of the issue fee. Applicant hereby petitions for the consideration of this Information Disclosure Statement, 37 CFR 1.97(d)(ii). A certification as specified in 37 CFR 1.97(e) is set forth below.

A certification as specified in 37 CFR 1.97(e) is set forth below, and  
 Fee as set forth in 37 CFR 1.17(p) (\$180.00)

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**CERTIFICATION (37 CFR 1.97(e))**

Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement. A copy of the relevant search report is enclosed herewith.

No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Application Serial No.: 09/884,256  
Docket No. 31075-7

Applicants respectfully request that any deficiencies in the fees be charged to Deposit Order Account No. 50-3381.

Respectfully submitted,

By: Patrick O'Shea  
Patrick J. O'Shea  
Registration No. 35,305  
O'Shea, Getz & Kosakowski, P.C.  
1500 Main Street, Suite 912  
Springfield, Massachusetts 01115  
413-731-3100

FORM PTO-1449 (Rev. 5/92)	O'SHEA, GETZ & KOSAKOWSKI, P.C. 1500 Main Street, Suite 912 Springfield, MA 01115 Telephone: (413) 731-3100	ATTORNEY DOCKET NO. 31075-7	SERIAL NO. 09/884,256
 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICANT: Xia et al.	GROUP: 2634
		FILING DATE: June 19, 2001	EXAMINER: Sudhanshu C. Pathak

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,058,047	10/15/1991	Chung			
	B	5,127,051	6/30/1992	Chan et al.			
	C	5,142,551	8/25/1992	Borth et al.			
	D	5,278,780	1/11/1994	Eguchi			
	E	5,668,831	9/16/1997	Claydon et al.			
	F	5,781,460	7/14/1998	Nguyen et al.			
	G	5,877,816	3/2/1999	Kim			
	H	6,012,421	1/11/2000	Kusche et al.			
	I	6,483,872	11/19/2002	Nguyen			
	J	6,570,919	5/27/2003	Lee			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
	K						
	L						
	M						
	N						

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	O	De Haan et al. " DeInterlacing-an Overview", Proceedings of the IEEE, Vol. 86, No. 9, Pages 1837-1856 (Sept. 1998)
	P	De Haan et al. "De-Interlacing of Video Data", IEEE Transactions on Consumer Electronics, Vol. 43, No. 3, Pages 819-824 (Aug. 1997)
	Q	Wang et al. "Time-Recursive DeInterlacing for IDTV and Pyramid Coding", Elsevier Science Publishers B. V., Vol. 2, No. 3, Pages 365-374 (Oct. 1990)

**EXAMINER** \_\_\_\_\_ **DATE CONSIDERED** \_\_\_\_\_

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 O'SHEA, GETZ & KOSAKOWSKI, P.C.  
 (Rev. 5/92) 1500 Main Street, Suite 912  
 Springfield, MA 01115  
 Telephone: (413) 731-3100

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**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	6,573,948	6/3/2003	Limberg			
	B	6,665,695	12/16/2003	Brokish et al.			
	C	6,693,566	2/17/2004	Jaffe et al.			
	D	6,829,298	12/7/2004	Abe et al.			
	E	2002/0067779	6/6/2002	Jaffe et al.			
	F	2003/0206600	11/6/2003	Vankka			
	G	2004/0057538	3/25/2004	Sathiavageswaran et al.			
	H						
	I						
	J						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	K						
	L						
	M						
	N						

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	O	
	P	
	Q	
	R	

EXAMINER DATE CONSIDERED

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